

# MATERIAL SAFETY DATA SHEET

IDENTITY: METHANOL, METHYL ALCOHOL

Product No. VT430

Manufactured by: Val Tech Diagnostics, Inc.  
LabChem Inc  
200 William Pitt Way  
Pittsburgh, PA 15238

Tel: 412-826-5230

Prepared: 03-20-12

Emergency No. 800-424-9300

| HAZARDOUS COMPONENTS | CAS NO.     | OSHA PEL      | ACGIH TLV     | OTHER        | %   |
|----------------------|-------------|---------------|---------------|--------------|-----|
| Methyl Alcohol       | CAS 67-56-1 | 200PPM (skin) | 200PPM (skin) | 6000ppm IDLH | 100 |

## DOT Labeling: Methanol, 3, UN 1230, PG II

### PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 148 Deg F  
Vapor Pressure (mmHg): 96 mm Hg at 68 Deg F  
Vapor Density (Air=1): 1.105  
Specific Gravity (H2O=1): 0.792  
Melting Point: -90 Deg C  
Evaporation Rate (Butyl Acetate=1): 5.9  
Solubility in Water: Complete  
Appearance/Color/Odor: Clear, colorless liquid with aromatic odor.

### FIRE AND EXPLOSION HAZARD DATA

Flash Point: 52 Deg F Method: Tagg closed cup.  
Flammable limits: LEL 6.0%  
UEL 36.5%  
Extinguishing Media: Alcohol type foam, CO2, or dry chemical.

Special fire fighting procedures: Use water to cool containers and to disperse vapors. Wear breathing apparatus and protective clothing.

Unusual fire and explosion hazards: Vapors form and may travel to open flames and sparks. Vapors may settle in low areas.

### REACTIVITY DATA

Stability: Stable  
Conditions to avoid: STORAGE AT HIGH TEMPERATURES.  
Materials to avoid/Incompatibility: Strong oxidizing agents, strong acids, reactive metals such as aluminum and magnesium.  
Hazardous Decomposition/Byproducts: Carbon dioxide and carbon monoxide.  
Hazardous Polymerization: Will not occur.

### HEALTH HAZARD DATA

Routes of entry: Inhalation, skin, ingestion.

Health Hazards: Acute- Poisonous. Can cause nausea, vomiting, headache, drowsiness, drunken behavior, fatigue, weakness, confusion, abdominal pain, or coma.

**Methanol, Methyl Alcohol Continued.....**

Chronic- May be fatal if ingested.

WARNING: This product contains methanol, a chemical known to the state of California to cause birth defects or other reproductive harm.

Signs of Exposure: Nausea, vomiting, headache, drowsiness, dizziness, faintness, euphoria, decreased awareness, shortness of breath, leg cramps, visual disturbances, coma or death.

Emergency and First Aid Procedures:

Eye Contact: Rinse with water for 15 minutes, seek medical help.

Skin Contact: Wash with soap and water for 15 minutes.

Ingestion: If conscious, induce vomiting, seek medical help immediately.

Inhalation: Remove to fresh air, assist breathing as necessary.

Medical Conditions Aggravated by Exposure: Central nervous system, and visual impairment.

Carcinogenicity: none known.

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### PRECAUTIONS FOR SAFE HANDLING AND USE

**Precautions to be taken in handling and storage: Store in a flammable safety cabinet or room. Use in a well-ventilated area, keep away from any open flames sparks or sources of ignition.**

Spill or Release Procedures: Absorb material with a non-flammable material such as sand, and place in a sealed container. Notify personnel to clear area. Turn off any source of flame or sparks.

Spill or Release: "Reportable Quantity" (RQ) to National Response Center 1-800-424-8802, 40 CFR Part 302: None.

Waste Disposal Methods: In accordance with all local, federal, state, and federal regulations.

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### CONTROL MEASURES/PERSONAL PROTECTION

Respiratory Protection: If exposures are exceeded, a NIOSH approved respirator.

Eye Protection: Goggles or full face shield.

Protective Gloves: Neoprene or PVC.

Protective Clothing: Outer garments not affected by the product.

Ventilation Requirements: Non sparking system.

Work and Hygienic Practices: Handle as a highly flammable liquid and wear appropriate personal safety equipment.

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### OTHER

NFPA Hazard Rating: Health- 1                      Flammability- 3                      Reactivity- 0

KEY: 0-None, 1-Slight, 2-Moderate, 3-Severe, 4-Extreme

SARA TITLE III- In compliance with Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR Part 372 the following toxic chemicals are present: Methyl Alcohol.

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THE ABOVE INFORMATION IS BELIEVED TO BE TRUE AND CORRECT AT THIS TIME. HOWEVER NO GUARANTEE IS EXPRESSED OR IMPLIED.